

ABSTRACT

A method for manufacturing a quartz oscillator having a stable temperature drift characteristic attributed to the quartz oscillating piece and a quartz oscillator are disclosed.

The method comprises a quartz crystal etching step S1 of processing a quartz oscillating piece into a predetermined shape by etching, an electrode membrane forming step S2 of forming an electrode on the quartz oscillating piece, a quartz crystal mounting step S3 of mounting the quartz oscillating piece in an oscillator package, a leakage oscillation adjusting step S4 of driving the mounted quartz oscillating piece, detecting the leakage oscillation, and removing a part of the quartz oscillating piece depending on the detected leakage oscillation, and a re-etching step S6 of re-etching the quartz oscillating piece subjected to the removal.